



09-11-02

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9/16/02Express Mail No.: EL 500 575 136 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Thomas *et al.*

Confirmation No.: 4447

Application No.: 09/978,273

Art Unit: 1649

Filed: October 15, 2001

Examiner: To be assigned

For: PLANT CELL DEATH SYSTEM

Attorney Docket No.: 9341-027-999

TECH CENTER 1600/2900
SEP 18 2002
RECEIVED**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.56**Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of any claim of the application, Attorneys for Applicants hereby direct the Examiner's attention to the references AA through CA listed on the attached revised form PTO 1449, copies of which are being submitted herewith.

Identification of the listed references is not to be construed an admission of Applicants or Attorneys for Applicants that such references are available as "prior art" against the subject application. Consequently, Applicants respectfully decline to use form PTO-1449, since this form identifies all of the references cited therein as "Prior Art." As an alternative, Applicants submit herewith a revised form PTO 1449 entitled "List of References Cited by Applicant" instead of "List of Prior Art Cited."

Applicants respectfully request that the Examiner review the listed references and that the references be made of record in the file history of the application.

Pursuant to 37 C.F.R. § 1.97(b), since this information disclosure statement is being filed before the mailing date of a first Office Action on the merits, no fee is due in connection herewith. However, should the Patent Office determine otherwise, please charge

the required fee to Pennie & Edmonds LLP deposit account no. 16-1150. A duplicate of this sheet is enclosed.

Date: September 10, 2002

Respectfully submitted, *By: J. Chris Lang* ^{40.258}
Laura A. Coruzzi 30,742
Laura A. Coruzzi (Reg. No.)

PENNIE & EDMONDS LLP
1155 Avenue of the Americas
New York, New York 10036-2711
(212) 790-9090

Enclosures



Express Mail No.: EL 500 575 136 US

Sheet 1 of 3

LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

ATTY. DOCKET NO.

9341-027-999

APPLICATION NO.

09/978,273

APPLICANT

Thomas et al.

FILING DATE

October 15, 2001

GROUP

1649

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,248,606	11/28/93	Walsh et al.			
	AB	5,332,808	7/26/94	Boston et al.			
	AC	5,646,026	7/8/1997	Walsh et al.			
	AD	6,015,940	1/18/00	Kaniewski et al.			

FOREIGN PATENT DOCUMENTS

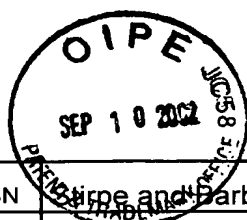
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	AE	WO 89/10396	11/2/1989	PCT			
	AF	WO 92/04453	3/19/1992	PCT			
	AG	WO 92/21757	12/10/1992	PCT			
	AH	WO 93/18170	9/16/1993	PCT			
	AI	WO 94/17194	8/4/1994	PCT			
	AJ	WO 97/03183	1/30/97	PCT			
	AK	WO 97/20056	6/5/1997	PCT			
	AL	WO 98/32325	7/30/1998	PCT			
	AM	WO 99/60843	12/2/99	PCT			
	AN	EP 0344029	11/29/1989	EP			

OTHER REFERENCES *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	AO	Abe et al. 1987, Molecular cloning of a cysteine proteinase inhibitor of rice (oryzacystatin). Homology with animal cystatins and transient expression in the ripening process of rice seeds. J Biol Chem. 262(35):16793-7
	AP	Barbieri et al. 1993, Ribosome-inactivating proteins from plants. Biochim Biophys Acta. 1154(3-4):237-82. Review
	AQ	Bass et al. 1992, A maize ribosome-inactivating protein is controlled by the transcriptional activator Opaque-2. Plant Cell. 4(2):225-34.
	AR	Bass et al., 1995, Cloning and sequencing of a second ribosome-inactivating protein gene from maize (Zea mays L.). Plant Physiology. 107, 661-662
	AS	Battelli et al. 1990, Toxicity of, and histological lesions caused by, ribosome-inactivating proteins, their IgG-conjugates, and their homopolymers. APMIS. 98(7):585-93



AT	Chen et al. 1991, Effect of pokeweed antiviral protein (PAP) on the infection of plant viruses. Plant Pathol. 40:612-620
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AW	Hartley R. W., 1988, Barnase and barstar: expression of its cloned inhibitor permits expression of a cloned ribonuclease. Journal of Molecular Biology. 202:913-915
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AY	Kondo et al. 1991, Gene organization of oryzacystatin-II, a new cystatin superfamily member of plant origin, is closely related to that of oryzacystatin-I but different from those of animal cystatins. FEBS Lett. 278(1):87-90
AZ	Lodge et al. 1993, Broad-spectrum virus resistance in transgenic plants expressing pokeweed antiviral protein. Proc Natl Acad Sci U S A. 90(15):7089-93
BA	Mariana et al., 1990, Induction of male sterility in plants by a chimaeric ribonuclease gene. Nature 347:737-741
BB	Moon et al. 1997, Expression of a cDNA encoding Phytolacca insularis antiviral protein confers virus resistance on transgenic potato plants. Mol Cells. 7(6):807-15
BC	Perry et al., 1996, The MADS domain protein AGL15 localizes to the nucleus during early stages of seed development. The Plant Cell. 8:1977-1989
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BG	Ready et al. 1986, Extracellular localization of pokeweed antiviral protein. Proc Natl Acad Sci U S A. 83(14):5053-6
BH	Richardson, M. 1991 Seed storage proteins: The enzyme inhibitors. In <i>Methods in Plant Biochemistry</i> . Dey and Harborne, eds. Vol. 5, pp259-305
BI	Ryan, CA, 1991, Protease inhibitors in Plants: Genes for improving defenses against insects and pathogens. Annu. Rev. Phytopathol. 28:425-49
BJ	Samach et al., 1997, Divergence of function and regulation of class B floral organ identity genes. The Plant Cell. 9:559-570
BK	Sieburth and Meyerowitz 1997, Molecular dissection of the AGAMOUS control region shows that cis elements for spatial regulation are located intragenically. The Plant Cell. 9:355-365
BL	Song et al. 2000, Systemic induction of a Phytolacca insularis antiviral protein gene by mechanical wounding, jasmonic acid, and abscisic acid. Plant Mol Biol. 43(4):439-50
BM	Spreafico et al. 1983, The immunomodulatory activity of the plant proteins Momordica charantia inhibitor and pokeweed antiviral protein. Int J Immunopharmacol. 5(4):335-43



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BP	Stirpe et al. 1992, Ribosome-inactivating proteins from plants: present status and future prospects. Biotechnology (N Y). 10(4):405-12. Review.
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BR	Tumer et al. 1997, C-terminal deletion mutant of pokeweed antiviral protein inhibits viral infection but does not depurinate host ribosomes. Proc Natl Acad Sci U S A. 94(8):3866-71
BS	Twell et al., 1991, Isolation and Expression of an Anther-Specific Gene From Tomato. Molecular Gen. Genet. 217:240-245
BT	Urwin et al. 1995, Engineered oryzacystatin-I expressed in transgenic hairy roots confers resistance to <i>Globodera pallida</i> . Plant J. 8(1):121-31
BU	Wang et al. 2000, Virus resistance mediated by ribosome inactivating proteins. Adv Virus Res. 55:325-55. Review
BV	Wang et al. 1998, Reduced toxicity and broad spectrum resistance to viral and fungal infection in transgenic plants expressing pokeweed antiviral protein II. Plant Mol Biol. 38(6):957-64.
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BX	Watanabe et al. 1997, Actions of pokeweed antiviral protein on virus-infected protoplasts. Biosci Biotechnol Biochem. 61(6):994-7
BY	Yeung et al. 1988, Trichosanthin, alpha-momorcharin and beta-momorcharin: identity of abortifacient and ribosome-inactivating proteins. Int J Pept Protein Res. 31(3):265-8.
BZ	Zoubenko et al. 2000, A non-toxic pokeweed antiviral protein mutant inhibits pathogen infection via a novel salicylic acid-independent pathway. Plant Mol Biol. 44(2):219-29
CA	Zoubenko et al. 1997, Plant resistance to fungal infection induced by nontoxic pokeweed antiviral protein mutants. Nat Biotechnol. 15(10):992-6

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with **MPEP 609**; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.